

2B Technologies, Inc.

An InDevR Company

Technical Note No. 017

Replacement of UV Lamp Assembly in Model 202 and Model 205 Ozone Monitors™

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Author: Craig Williford

Summary:

When it has been determined that the UV detection lamp on a model 202 or model 205 ozone monitor is operating with noise above the normal limit or is not working at all, the lamp assembly can easily be replaced with the following steps:

1. Removal of top and bottom covers
2. Removal of wire harness
3. Removal of lamp assembly
4. Connecting new lamp assembly
5. Replacing top and bottom covers
6. Verify lamp is working

Tools needed:

- Philips head screw driver
- Allan wrench (7/64 provided with instrument)
- Flat head screw driver or razor blade

Procedure:

1. Removal of top and bottom covers
 - a) Remove 4 screws on back of instrument.

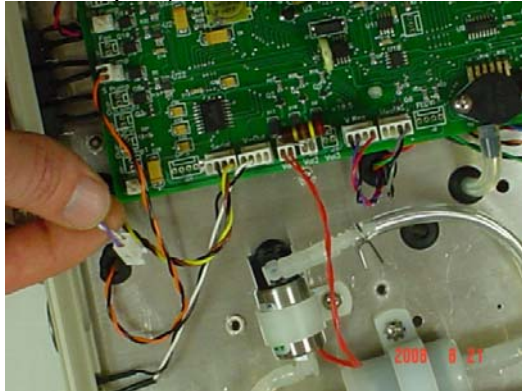


b) Pull top and bottom covers off chassis.

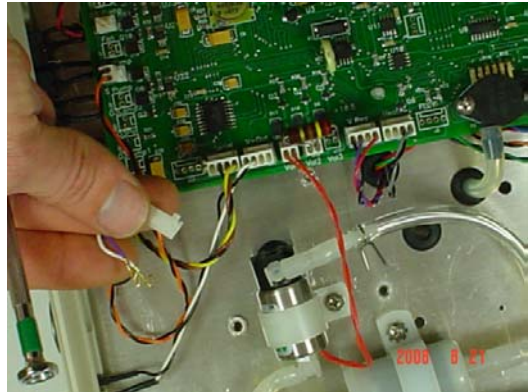
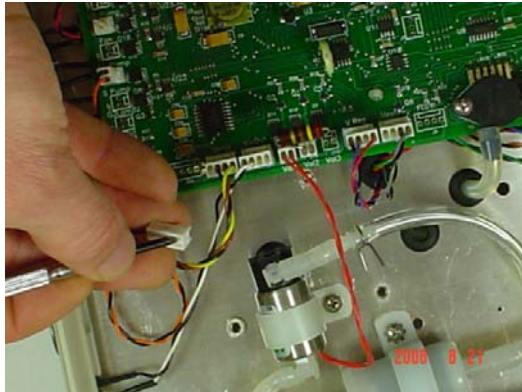


2. Removal of wire harness

a) Disconnect moxex connector from J3 on circuit board (white and purple twisted pair).



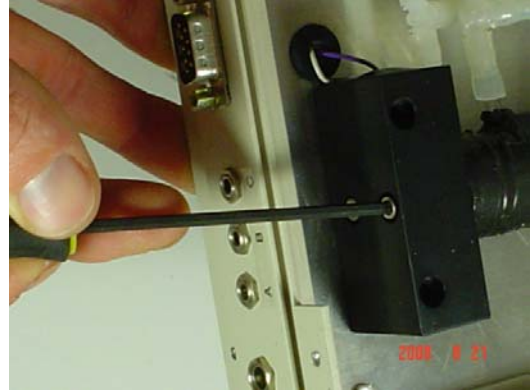
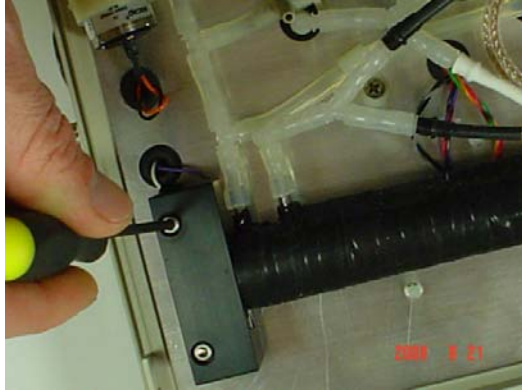
b) Remove wires from moxex housing with flat head screw driver or razor blade.



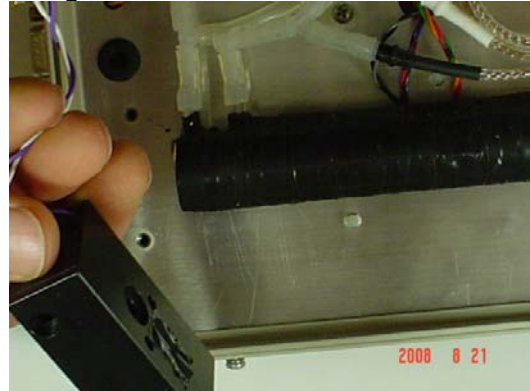
c) Feed wires through hole in baseplate.

3. Removal of lamp assembly

- a) Using Allan wrench, remove top screws and screws on back side of housing



- b) Carefully remove lamp assembly by pulling outward from cells



4. Connecting new lamp assembly

- a) Insert new lamp housing in reverse order of above by first carefully aligning cell windows with holes on lamp housing.

5. Replacing top and bottom covers

- a) Replace top and bottom covers and insert 4 screws

6. Verify lamp is working

- a) Power instrument and perform lamp test as described in manual